

Converting Colors

CIELCh(36, 24.632, 233.853)

Have a look what the booklet for
CIELCh(36, 24.632, 233.853)
contains.

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Color

CIELCh(36, 24.457, 233.451)

Conversions

Conversions Part 1

Format	Color
Hex	005D74
RGB	0, 93, 116
RGB Percent	0%, 36%, 45%
CMY	1.0000, 0.6368, 0.5466
CMYK	1.00, 0.20, 0.00, 0.55
HSL	192°, 100%, 23%
HSV	192°, 100%, 45%
XYZ	6.9990, 9.0082, 17.7731
YIQ	67.8150, -62.8110, -12.5630

Conversions

Conversions Part 2

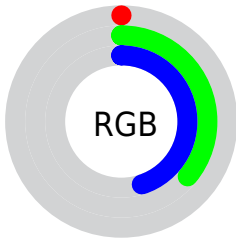
Format	Color
RYB	0, 52, 116
Decimal	23924
CIELab	36.00, -14.56, -19.65
CIElCh	36, 24.457, 233.451
Yxy	9.0082, 0.2072, 0.2667
Android (android.graphics.Color)	4278214004 (0xFF005D74)
YUV	67.8150, 23.7552, -59.4738
Hunter-Lab	30.0136, -10.8984, -14.1001

Details

The CIELCh color **36, 24.457, 233.451** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **25, 53.153, 42.965**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 24.520, 233.922**, and **18, 18.259, 251.399** is the 20% darker color. If you saturate the color by 10%, you get **36, 24.402, 233.549**, and if you desaturate by 10%, it is **37, 23.593, 230.513**.

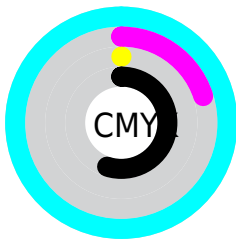
Distribution



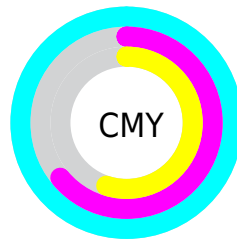
- Red (0%)
- Green (36%)
- Blue (45%)



- Red (0%)
- Yellow (20%)
- Blue (45%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (55%)





- Cyan (100%)
- Magenta (64%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 24.457, 233.451 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 36, 24.457, 233.451 by changing the saturation by 10% instead.


 36, 24.457,
233.451


 36, 24.457,
233.451

 100, 24.457,
233.451


 26, 24.457,
233.451

 56, 24.457,
233.451


 16, 24.457,
233.451


 66, 24.457,
233.451

 6, 24.457, 233.451

 76, 24.457,
233.451

 0, 24.457, 233.451

 86, 24.457,
233.451

 96, 24.457,
233.451

■ 36, 24.457,
233.451

■ 36, 24.457,
233.451

■ 36, 24.402,
233.549

■ 37, 23.593,
230.513

■ 38, 22.571,
227.758

■ 39, 21.114,
225.536

■ 40, 19.201,
223.780

■ 41, 16.847,
222.417

■ 43, 14.086,
221.379

■ 44, 10.968,
220.607

■ 46, 7.546, 220.054

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36, 24.457, 233.451



25, 53.153, 42.965

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36, 24.457, 233.451



36, 24.457, 283.451



36, 24.457, 53.451



36, 24.457, 103.451

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36, 24.402, 233.549



57, 13.574, 220.659



42, 62.284, 138.924



29, 9.222, 220.896



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36, 24.402, 233.549



47, 29.580, 234.621



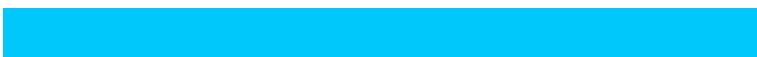
18, 53.589, 295.975



24, 2.212, 219.678



38, 25.431, 233.801



75, 43.325, 236.120

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25, 55.564, 337.599



34, 66.975, 337.894



37, 46.164, 78.421



23, 4.144, 330.989



27, 57.831, 337.668



57, 97.275, 338.311

Previews

White Background



This preview shows how the CIELCh color 36, 24.457, 233.451 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 36, 24.457, 233.451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

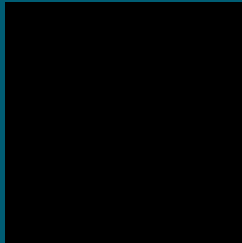
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 24.457, 233.451

Background



This preview shows how black text looks on a background with the CIELCh color 36, 24.457, 233.451.

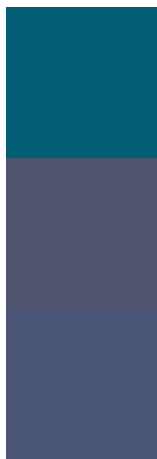


This preview shows how white text looks on a background with the CIELCh color 36, 24.457, 233.451.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36, 24.457, 233.451

Protanopia

36, 15.618, 284.473

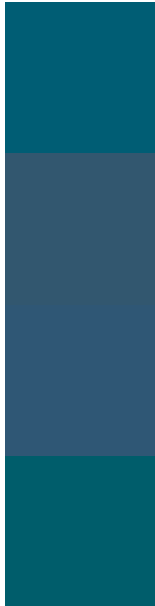
Deuteranopia

36, 21.256, 284.084



Tritanopia
36, 23.301, 209.141

Trichromacy



Original Color
36, 24.457, 233.451

Protanomaly
35, 18.683, 252.171

Deuteranomaly
35, 21.777, 258.358

Tritanomaly
36, 23.200, 219.220

Monochromacy



Original Color
36, 24.457, 233.451

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 13.108, 220.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 24.457, 233.451 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 93, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 93, 116)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 93, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 93, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 24.457, 233.451 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 93, 116) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 93, 116) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 93, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 93, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 93, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 93, 116)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 24.457, 233.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 93, 116) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 93,  
116) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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